

EPAUnited States Environmental Protection Agency
Washington, DC 20460**Work Assignment**Work Assignment Number
5-06☐ Other ☐ Amendment Number:Contract Number
EP-D-11-006Contract Period 04/29/2011 To 03/31/2016
Base Option Period Number 4Title of Work Assignment/SF Site Name
CAMD On-Line ToolContractor
EASTERN RESEARCH GROUP, INC.Specify Section and paragraph of Contract SOW
KPurpose: ☒ Work Assignment ☐ Work Assignment Close-Out
☐ Work Assignment Amendment ☐ Incremental Funding
☐ Work Plan Approval

Period of Performance

From 04/01/2015 To 03/31/2016

Comments:

This is the initiation of a work assignment for Option IV period. Hours have been authorized for the work plan and also for work to begin (150 hours). This work does not duplicate any work previously performed or is currently being performed.

☐ Superfund

Accounting and Appropriations Data

☒ Non-SuperfundSFO
(Max 2)☐

Note: To report additional accounting and appropriations data use EPA Form 1900-69A.

Line	DCN (Max 6)	Budget/FY (Max 4)	Appropriation Code (Max 6)	Budget Org/Code (Max 7)	Program Element (Max 9)	Object Class (Max 4)	Amount (Dollars)	(Cents)	Site/Project (Max 8)	Cost Org/Code (Max 7)
1										
2										
3										
4										
5										

Authorized Work Assignment Ceiling

Contract Period: 04/29/2011 To 03/31/2016 Cost/Fee: LOE: 0

This Action: 150

Total: 150

Work Plan / Cost Estimate Approvals

Contractor WP Dated: Cost/Fee: LOE:

Cumulative Approved: Cost/Fee: LOE:

Work Assignment Manager Name Clara Funk

Branch/Mail Code:

Phone Number 202-343-9622

FAX Number:

(Signature)

(Date)

Project Officer Name Margaret Dougherty

Branch/Mail Code:

Phone Number: 919-541-2344

FAX Number:

(Signature)

(Date)

Other Agency Official Name

Branch/Mail Code:

Phone Number:

FAX Number:

(Signature)

(Date)

Contracting Office Name Marsha B. Johnson

Branch/Mail Code:

Phone Number: 919-541-0952

FAX Number:

(Signature)

(Date)

Statement of Work

- I. **Title:** CAMD Air Emission Programs On-line Data Publication Tool
Contractor: Eastern Research Group (ERG)
EPA Contract No. EP-D-11-006
Work Assignment No. 5-06

Work Assignment Contracting Officer's Representative (WACOR)

Clara Funk
US Environmental Protection Agency (EPA)/Clean Air Markets Division
202-343-9622
Email: funk.clara@epa.gov

II. Background

Technical Advisor: Cynthia Walke, Clean Air Markets Division; 202-343-9194

EPA's Clean Air Markets Division (CAMD) in the Office of Air and Radiation manages multi-pollutant air emissions regulatory programs, including the Acid Rain Program, the Clean Air Interstate Rule, and the Cross State Air Pollution Rule. Under these programs, air pollutant emissions data and information from power generating facilities are collected, analyzed and disseminated to the public through our Air Markets Program Data (AMPD) web application; environmental data are collected through our CASTNET and LTM programs and are disseminated on our websites; and data and analyses are presented in our annual progress reports.

Through existing annual progress reports (currently available in HTML and print-formatted PDF on EPA's "Airmarkets" website), CAMD provides to the public, emissions, compliance and allowance data, and human health and environmental data and analyses. Currently, raw emissions data are available to the public through CAMD's AMPD, and calculations of data must be performed by the public or by CAMD before publishing in these annual reports. The work to be performed under this work assignment involves providing support to CAMD to characterize and quantify air pollutant emissions and assemble for publication the latest available information on air pollutant emissions factors and speciation profiles. Additionally, contractor assistance will involve analyses, and supporting the design, development and refinement of existing on-line emissions software to visually distribute emissions data. This software will be customized to be used as an on-line communication tool consisting of static and dynamic visual displays with contextual supporting documentation, and will include and expand upon information in existing progress reports, enriching CAMD's communication and outreach to the public by increasing the accessibility and enhancing the understanding of CAMD's data. This tool will improve the products formerly known as CAMD's progress reports, the timing of the availability of CAMD's data, and will reduce the workload of CAMD staff to make available data, information and analyses.

All products of this order shall be in accordance with the EPA's guidelines and standards for web development and design. All files/deliverables shall either be e-mailed or sent via other internet protocols (e.g. File Transfer Protocols), when possible, as determined at the time through technical direction (TD) by the WACOR. Files shall be created in a format that is appropriate to the type of information/deliverable. Printed deliverables will be sent to the WACOR, as requested. All copies of financial reports of expenditures shall be sent to the project manager either in print or via e-mail.

All materials developed under this task order shall meet EPA printing, graphic design, and electronic and Internet-publishing requirements, as well as government-wide paper, style, and color requirements as specified by the US Government Printing Office and the Joint Committee on Printing. All web specific materials developed shall be in a format that is consistent with current EPA and CAMD template standards, and/or, standards that are consistent with previously developed products. All materials developed under this order are the property of EPA; the contractor may not claim copyrights.

III. Tasks:

The contractor shall, through Technical Direction (TD) by the WACOR:

- Meet with CAMD either in person or via conference call/webinar to determine CAMD's requirements and to develop a schedule of deliverables as determined and agreed upon in this meeting.
- If unfinished, complete development of the on-line tool and assist with posting online. Once complete, then provide ongoing support to enable CAMD to update or modify the content of the on-line tool to accommodate changes in data, information and/or analyses, or when additional programs or pollutants become the responsibility of CAMD to monitor, report, or regulate.
- As part of the development of new material, the contractor shall create static and/or interactive visual displays including but not limited to maps, charts, graphs and tables to be included in this customized software application, to effectively disseminate CAMD's data, information and analyses formerly presented in annual progress reports, and/or additional data, information and analyses developed as a result of discussions or meetings with CAMD, and/or resulting from new EPA programs. The contractor shall, when deemed appropriate by the WACOR through TD, use previously developed visual displays instead of developing new ones.
- Possible additional tasks, if requested by TD by the WACOR, include but are not limited to: developing and updating datasets in Oracle or other database management systems; performing database or statistical analyses of data to use as content for visual displays and supporting documentation and; formatting content of the newly developed on-line tool into a printable pdf to be used as an archive of data, information, analyses, and program results.

Technical Details:

The following points apply to all Web based products:

- All deliverables must be thoroughly checked and edited for errors.
- In addition to designs and/or graphics the Contractor creates, the Contractor shall consider designs and/or graphics created by the WACOR and incorporate them as requested through TD by the WACOR. For designs/graphics, the Contractor shall present mockups.
- Navigational schemes shall account for future expansion of the web-based tool and pages and shall use standard HTML, Java and/or JavaScript when practical, or other programs as recommended by the contractor and approved through TD by the WACOR. In particular, designs shall maximize the ease with which CAMD staff can make global changes to coding, or make additions to the on-line tool. If and when requested through TD, the contractor shall provide instruction to EPA staff to manipulate features of the on-line tool.
- All web pages or tools shall take into consideration known EPA standards such as the new content management system (Drupal) when being designed or developed.
- All designs and/or graphics and/or tools shall use all available means to maximize the site's usability by disabled people and shall, at a minimum, comply with standards issued under section 508 of the Rehabilitation Act.
- Designs and graphics shall be optimized for the standard EPA recommended resolution.
- The contractor shall use the most current approved EPA templates.
- Server side includes, proprietary attachments, or add ons are not permitted.
- Use of vendor names is prohibited. (includes HTML Generator names.)
- Provide an easy and straightforward navigational structure. Documents, pages and tools shall be designed to minimize users' reliance on the navigational aids (e.g., back and forward buttons, history lists).
- All web pages, web based tools, or documents shall include metadata coding, where applicable.
- All designs shall conform to EPA Web publishing standards as published in EPA's Web Guide. Designs shall also conform to all other applicable EPA standards.

IV. Schedule:

The contractor and the WACOR will communicate to discuss concepts and goals and establish schedules for further meetings and deliverables. The WACOR and the contractor will converse, either by phone or by e-mail, at least once a month to review progress of tasks and deliverables.